PATENT Atty. Dkt. No. APPM/4100.Y5(P1)/PPC/CMP/CKIM

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Chen et al.

Patent No.: 7,066,800

Issued:

June 27, 2006

Serial No.: 10/033,732

Filed:

December 27, 2001

For:

CONDUCTIVE POLISHING

ARTICLE FOR

ELECTROCHEMICAL

MECHANICAL POLISHING

Certificate of Correction Branch Commissioner for Patents P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

Group Art Unit: 3723

Examiner:

David B. Thomas



CERTIFICATE OF MAILING

37 CFR 1.8

I hereby certify that this correspondence is being deposited on 7,2006 with the United States Postal Service as First Class Mail in an envelope addressed to: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

REQUEST FOR CERTIFICATE OF CORRECTION

Attached is a Certificate of Correction for correcting several errors in the references, drawings, specification, and claims of the printed patent.

The omitted references were initialed by the examiner on February 2, 2004 in the Notice of Allowance dated February 11, 2004; on October 26, 2004 in the Supplemental Notice of Allowability dated October 28, 2004; and on August 1, 2005 in the Notice of Allowance dated August 5, 2005. Copies of the PTO-892s, PTO-1449s, and PTO/SB/08s showing the omitted references initialed by the examiner are attached.

07/14/2006 TBESHAH2 00000075 200782

The corrections to the drawings were proposed in the Proposed Amendment to the Drawings (submitted May 12, 2003 and received May 14, 2003). The corrections were approved in the Notice of Allowance dated July 15, 2003. The replacement drawing sheet was submitted in the Rule 312 Amendment after Allowance (submitted August 20, 2003 and received August 25, 2003). The

JUL 19 2006

amendment was approved and entered in the Notice of Allowance dated February 11, 2004. Copies of the above referenced correspondence are attached.

Applicants submit that at least one of the other errors mentioned above was made by the applicants. Therefore, please charge the fee of \$100.00 to deposit account no. 20-0782/APPM/4100.Y5(P1) (KMT).

Respectfully submitted,

Keith M. Tackett

Registration No. 32,008

PATTERSON & SHERIDAN, L.L.P. 3040 Post Oak Blvd. Suite 1500

Houston, TX 77056

Telephone: (713) 623-4844 Facsimile: (713) 623-4846

Agent for Applicant(s)

CERTIFICATE OF CORRECTION

PATENT NO.: 7,066,800

Page 1 of 11

APPLICATION NO.: 10/033,732

DATED: Jun. 27, 2006

INVENTOR(S): Liang-Yuh CHEN, Yuchun WANG, Yan WANG, Alain DUBOUST, Daniel A. CARL, Ralph

WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

On the Cover of the Patent

Item [56], References Cited, U.S. PATENT DOCUMENTS: Please include the following references:

6,585,579	7/2003	Jensen et al451/527
6,572,463	6/2003	Xu et al451/526
6,569,004	5/2003	Pham451/526
6,561,889	5/2003	Xu et al451/526
6,551,179	4/2003	Halley451/285
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5,257,478	11/1993	Hyde et al51/131.3
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6,630,059	10/2003	Uzoh et al204/212
6,471,847	10/2002	Talieh et al 205/147
6,409,904	6/2002	Uzoh et al205/137
6,328,872	12/2001	Talieh et al 205/206

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

APPLICATION NO.: 10/033,732

Page 2 of 11

DATED: Jun. 27, 2006

PATENT NO.: 7,066,800

INVENTOR(S): Liang-Yuh CHEN, Yuchun WANG, Yan WANG, Alain DUBOUST, Daniel A. CARL, Ralph

WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

6,251,235	6/2001	Talieh et al 204/220
3,448,023	6/1969	Bell204/143
2002/0130634	9/2002	Ziemkowski et al320/106
2002/0088715	7/2002	Talieh et al 205/157
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2002/119286	8/2002	Chen et al.
2001/0005667	6/2001	Tolles et al.
1,601,642	9/1926	Parker
1,927,162	9/1933	Fiedler et al.
2,112,691	3/1938	Crowder
2,240,265	4/1941	Nachtman
2,392,687	1/1946	Nachtman
2,431,065	11/1947	Miller
2,451,341	10/1948	Jemstedt
2,453,481	11/1948	Wilson
2,454,935	11/1948	Miller
2,456,185	12/1948	Grube
2,457,510	12/1948	van Omum
2,458,676	1/1949	Brenner et al.
2,461,556	2/1949	Lorig
2,473,290	6/1949	Millard
2,477,808	8/1949	Jones
2,479,323	8/1949	Davis
2,480,022	8/1949	Hogaboom
2,490,055	12/1949	Hoff
2,495,695	1/1950	Camin et al.
2,500,205	3/1950	Shaefer
2,500,206	3/1950	Schaefer et al.
2,503,863	4/1950	Bart

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CERTIFICATE OF CORRECTION

PATENT NO.: 7,066,800 Page 3 of 11

APPLICATION NO.: 10/033,732

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WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

2,506,794	5/1950	Kennedy et al.
2,509,304	5/1950	Klein
2,512,328	6/1950	Hays
2,517,907	8/1950	Mikulas
2,519,945	8/1950	Twele et al.
2,530,677	11/1950	Berkenkotter et al.
2,535,966	12/1950	Teplitz
2.536.912	1/1951	Cobertt
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2,560,534	7/1951	Adler
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2,569,577	10/1951	Reading
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2,656,283	10/1953	Fink et al.
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2,674,550	4/1954	Dunlevy et al.
2,675,348	4/1954	Greenspan
2,680,710	6/1954	Kenmore et al.
2,684,939	7/1654	Geese

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CERTIFICATE OF CORRECTION

PATENT NO.: 7,066,800

Page 4 of 11

APPLICATION NO.: 10/033,732

DATED: Jun. 27, 2006

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WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

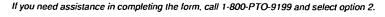
It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

2,689,215	9/1954	Bart
2,695,269	11/1954	de Witz et al.
2,696,859	12/1954	Somma
2,698,832	1/1955	Swanson
2,706,173	4/1955	Wells et al.
2,706,175	4/1955	Licharz
2,708,445	5/1955	Manson et al.
2,710,834	6/1955	Vrilakas
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4,047,902	9/1977	Wiand
4,082,638	4/1978	Jumer
4,119,515	10/1978	Costakis
4,312,716	1/1982	Maschler et al.
4,523,411	6/1985	Freerks
4,704,511	11/1987	Miyano
4,752,371	6/1988	Kreisel et al.
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5,328,716	7/1994	Buchanan
5,478,435	12/1995	Murphy et al.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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CERTIFICATE OF CORRECTION

PATENT NO.: 7,066,800 Page <u>5</u> of <u>11</u>

APPLICATION NO.: 10/033,732

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WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

5,560,753	10/1996	Schnabel et al.
5,633,068	5/1997	Ryoke et al.
5,654,078	8/1997	Ferronato
5,702,811	12/1997	Ho et al.
5,738,574	4/1998	Tolles et al.
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5,948,697	9/1999	Hata
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6,383,066	5/2002	Chen et al.
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2002/0108861	8/2002	Emesh et al.
2002/0123300	9/2002	Jones et al.
2002/0130049	9/2002	Chen et al.
2002/0146963	10/2002	Teetzel

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Keith M. Tackett PATTERSON & SHERIDAN, L.L.P. 3040 Post Oak Blvd., Suite 1500 Houston, TX 77056-6582

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO.: 7,066,800

Page <u>6</u> of <u>11</u>

APPLICATION NO.: 10/033,732

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INVENTOR(S): Liang-Yuh CHEN, Yuchun WANG, Yan WANG, Alain DUBOUST, Daniel A. CARL, Ralph

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It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

2002/0148732 10/2002 Emesh et al. 2003/0034131 2/2003 Park et al. 2003/0040188 2/2003 Hsu et al. 2003/0114087 6/2003 Duboust et al. 2003/0116445 6/2003 Sun et al. 2003/0116446 6/2003 Duboust et al. 2003/0213703 11/2003 Wang et al. 2003/0220053 11/2003 Manens et al. 6,641,471 11/2003 Pinheiro et al. 6,322,422 11/2002 Satou 6,296,557 10/2001 Walker 6,258,223 7/2001 Cheung et al. 6,257,953 7/2001 Gitis et al. 10/2000 Kubo 6,132,292 10/1997 Krech 5,674,122 6,372,001 4/2002 Omar et al. 4/2002 6,379,223 Sun et al. 7/2002 Uzoh et al. 6,413,388 2003/0013397 1/2003 **Rhoades** Emesh et al. 205/81 6,736,952 * 5/2004 6,572,755 * 6/2003 Emesh et al. 205/137

Item [56], References Cited, FOREIGN PATENT DOCUMENTS: Please include the following references:

WO 01/52307 7/2001 H01L WO 01/13416 2/2001 H01L/21/288 WO 01/63018 8/2001 C25D/17/100 WO 01/71066 9/2001 C25D/7/12 WO 01/88954 11/2001 H01L EP 1368826 A1 12/2003 EP 1361023 11/2003 JP 58-171264 10/1983 JP 61-079666 4/1986 JP 61-265279 11/1986 JP 63-028512 2/1988

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It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

JP 05-277957	10/1993	
JP 10-006213	1/1998	
JP 2870537	3/1999	
JP 11-239961	7/1999	
JP 2000-218513	8/2000	
JP 2001-179611	7/2001	
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WO 03/001581	1/2003	
JP 06-047678	2/1994	·
JP 11-216663	12/2000	'
WO 00/71297	11/2000	
JP 2002-334858	11/2002	

Item [56], References Cited, OTHER PUBLICATIONS: Please include the following references:

European Search Report for 03252801.0, dated January 16, 2004 (AMAT/7047.EP).

PCT Written Opinion dated April 1, 2003 for PCT/US02/11009. (4100 EP 02)

Notification of Transmittal of International Preliminary Examination Report dated November 10, 2003 (4100 EP 02)

European Search Report for 03252801.0, dated January 16, 2004 (7047 EP).

Communication pursuant to Article 96(2) EPC for Application No. 02728965.4, dated June 11, 2004 (4100 EP 02)

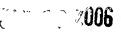
Copy of Search Report issued by the Austrian Patent Office for corresponding Singapore Patent Application No. 200302562-4, provided by letter dated October 7, 2004.

Invitation to pay additional fees dated November 11, 2004 (4100 P5 PCT)

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WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Notification of Transmittal of International Search Report and Written Opinion dated February 21, 2005 (4100 PCT)

Notification of Transmittal of the International Search Report and Written Opinion dated Marcy 14, 2005 (4100 P5 PCT)

PCT International Search Report and Written Opinion dated April 28, 2005 for PCT/US04/037870. (AMAT/4100PC09)

Alexander, Jr., "Electrically Conductive Polymer Nanocomposite Materials", http://www.afrlhorizons.com/Briefs/Sept02/ML0206.html, Date Unknown

Contolini, "Electrochemical Planarization of ULSI Copper," Solid State Technology, Vol. 40, No. 6, June 1, 1997.

In the Drawings

Replace FIG. 2 with amended FIG. 2, copy attached

In the Specification

Column 4, Line 49: Before "inlet", change "a" to --an--

Column 6, Line 56: Change "electro polishing" to --electropolishing--

Column 9, Line 9: Change "aspects" to --aspect--

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Keith M. Tackett PATTERSON & SHERIDAN, L.L.P. 3040 Post Oak Blvd., Suite 1500 Houston, TX 77056-6582

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO.: 7,066,800

Page 9 of 11

APPLICATION NO.: 10/033,732

DATED: Jun. 27, 2006

INVENTOR(S): Liang-Yuh CHEN, Yuchun WANG, Yan WANG, Alain DUBOUST, Daniel A. CARL, Ralph WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Column 9, Line 10: Change "comprises" to --comprise--

Column 10, Line 19: Before "article", change "a" to --an--

Column 11, Line 66: Before "article", change "a" to --an--

Column 14, Line 50: Change "perforation" to --perforations--

Column 15, Line 36: Change "10-cm" to --10 Ω-cm--

Column 15, Line 38: Change "1-cm" to --1 Ω-cm--

Column 15, Line 61: Change "pas" to --pad--

Column 16, Line 45: Change "pas" to --pad--

Column 16, Line 57: Before "biasing", change "the" to --The--

Column 16, Line 60: Change "ploymer" to --polymer--

Column 18, Line 44: Change "discreet" to --discrete--

Column 19, Line 39: Change "shone" to --shown--

Column 20, Line 14: After "pressure", delete "between"

Column 20, Line 29: Change "electro polishing" to --electropolishing--

Column 20, Line 31: Change "electro polishing" to --electropolishing--

Column 23, Line 30: After "urethane", change the comma to a period

MAILING ADDRESS OF SENDER (Please do not use customer number below):

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CERTIFICATE OF CORRECTION

PATENT NO.: 7,066,800 Page <u>10</u> of <u>11</u>

APPLICATION NO.: 10/033,732

DATED: Jun. 27, 2006

INVENTOR(S): Liang-Yuh CHEN, Yuchun WANG, Yan WANG, Alain DUBOUST, Daniel A. CARL, Ralph

WADENSWEILER, Manoocher BIRANG, Paul D. BUTTERFIELD, Rashid MAVLIEV, Stan D. TSAI

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

In the Claims

Column 25, Claim 18, Line 65: Delete "conductive fillers include"

Column 26, Claim 24, Line 26: Change "and" to --or--

Column 26, Claim 25, Line 29: Change "and" to --or--

Column 26, Claim 29, Line 54: Delete "conductive fillers include"

Column 27, Claim 32, Line 3: After "least", insert --one--

Column 27, Claim 37, Lines 24-25: Delete "or combinations thereof"

Column 28, Claim 47, Line 10: Change "45" to --46--

Column 28, Claim 48, Line 13: Change "46" to --45--

Column 28, Claim 51, Line 32: Change "polycarbonete" to --polycarbonate--

Column 30, Claim 67, Line 9: After "article", delete --is--

Column 30, Claim 67, Line 18: After "surface", change the period to a semicolon

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TIAL NO.:

INVENTOR:

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CONFIRMATIC

F۱L APPLICANT: TITLE:

REPLACEMENT SHEET
AMAT/4100.P/CMP/CMP/RKK
10/033,732
DECEMBER 27, 2001
APPLIED MATERIALS, INC.

CONDUCTIVE POLISHING ARTICLE FOR ELECTROCHEMICAL MECHANICAL

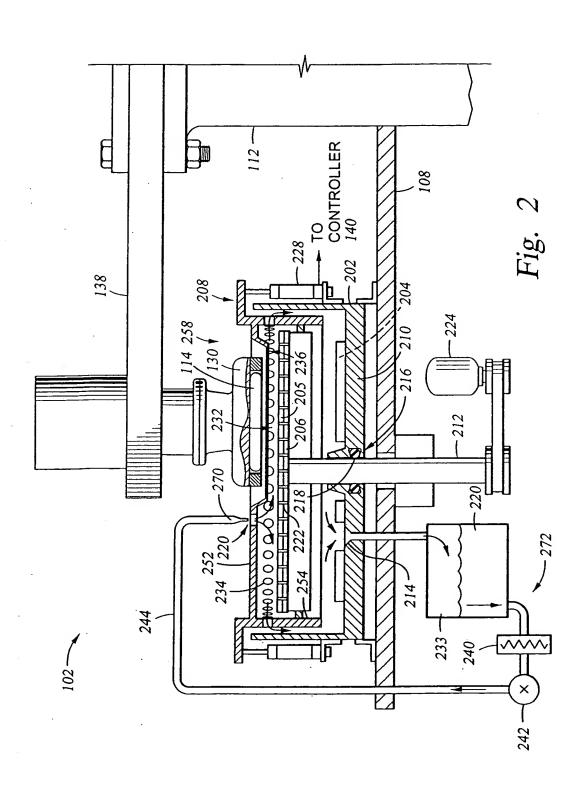
POLISHING

CHEN, ET AL.

SHEET 2 of 16

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2/16





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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

NOTICE OF AGLOWANCE AND FEE(S) DUE

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02/11/2004

APPLIED MATERIALS, INC. 2881 SCOTT BLVD. M/S 2061 SANTA CLARA, CA 95050

EXAMINER THOMAS, DAVID B

ART UNIT

PAPER NUMBER

3723

DATE MAILED: 02/11/2004

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. 10/033,732 CONFIRMATION NO. 12/27/2001 Liang-Yuh Chen AMAT/4100.P1/CMP/CMP/RKK 7456

TITLE OF INVENTION: CONDUCTIVE POLISHING ARTICLE FOR ELECTROCHEMICAL MECHANICAL POLISHING

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nonprovisional	NO	\$1330		TOTAL FEE(S) DUE	DATE DUE
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THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown
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- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

	Application No.	Applicant(s)	
	10/033,732		
Notice of Allowability	Examiner	CHEN ET AL. Art Unit	
	David B. Thomas	3723	:
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to the IDS filed 1/23/04	of OK REMAINS) CLOSED in this ap or other appropriate communication (IGHTS. This application is subject to and MPEP 1308.	correspondence address oplication. If not included	IS iative
2. The allowed claim(s) is/are <u>29,31-40 and 42-99</u> .			
3. The drawings filed on are accepted by the Examine			
4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMITHIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which gives a company of the Notice of Draftsperson (a) including changes required by the Notice of Draftsperson (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.8 each sheet. Replacement sheet(s) should be labeled as such in the DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION and the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION about the deposit attached Examiner's comment regarding REQUIREMENT FORMATION and the	been received. been received in Application No cuments have been received in this in of this communication to file a reply of ENT of this application. ted. Note the attached EXAMINER's is reason(s) why the oath or declarate be submitted. be submitted. on's Patent Drawing Review (PTO-9 Amendment / Comment or in the Of 4(c)) should be written on the drawing header according to 37 CFR 1.121(d)	complying with the requirements S AMENDMENT or NOTICE OF ion is deficient. 48) attached fice action of us in the front (not the back) of	
ttachment(s) ☐ Notice of References Cited (PTO-892) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 10/15/03 1/23/04 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	 5. ☐ Notice of Informal Pat 6. ☐ Interview Summary (Paper No./Mail Date 7. ☐ Examiner's Amendme 8. ☐ Examiner's Statement 9. ☒ Other <u>Rule 312 resport</u> 	of Reasons for Allowance	
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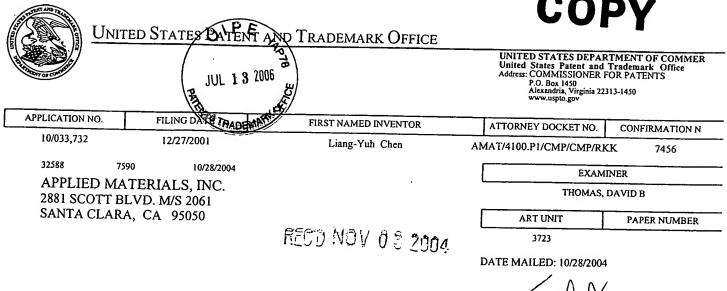
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Resp	onse to Rule 312 Communication	10/033,732	CHEN ET AL.	
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b) 🛭	entered as directed to matters of form not affecting to	he scope of the invention.		
c) 🗌	disapproved because the amendment was filed after Any amendment filed after the date the issue fee and the required fee to withdraw the application fr	the payment of the issue fee. is paid must be accompanied by a pe	etition under 37 CFR	1.313(c)(1)
d) 🔲	disapproved. See explanation below.			
e) 🗌	entered in part. See explanation below.			-
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	АЗ	6,569,004	05/27/2003	Pham .	451	526	12/30/1999
	.44	6,561,889	05/13/2003	Xu et al.	451	526	12/27/2000
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	A11	6,402,591	06/11/2002	Thornton	451	+	03/31/2000
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A9 2002/0088715 07/11/2002 Talieh, et al. 205 157 03/05/2002 A10 2002/0020621 02/21/2002 Uzoh, et al. 204 212 10/11/2001 A11 2002/0011417 01/31/2002 Talieh, et al. 205 157 08/28/2001 A12 2001/0035354 11/01/2001 Ashjaee, et al. 205 103 12/14/2000 D5		A8	2002/0130634	09/19/2002	 		 	 			
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Document Date Country Class Subclass Translation YES NO	DET	A13	2001/0042690	11/22/2001	Talleh :	: .	205	118	12/14/2000		
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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Supplemental	10/033,732	CHEN ET AL.	
Notice of Allowability	Examiner	Art Unit	
	David B. Thomas	3723	
The MAILING DATE of this communication All claims being allowable, PROSECUTION ON THE MERI herewith (or previously mailed), a Notice of Allowance (PTO NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATE of the Office or upon petition by the applicant. See 37 CFR 1. This communication is responsive to the Rule 312 and the State of	TS IS (OR REMAINS) CLOSED in DL-85) or other appropriate community ENT RIGHTS. This application is second 1.313 and MPEP 1308.	n this application. If not including the same in the subject to withdrawal from its subject to with subject to withdrawal from its subject to withdrawal fr	luded
2. \(\sim\) The allowed claim(s) is/are \(\frac{2940,42,44,45 and 47-9}{2940,42,44,45}\)	<u>9</u> .		
3. The drawings filed on are accepted by the Ex			
 4. ☐ Acknowledgment is made of a claim for foreign price a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents 		or (f).	
2. Certified copies of the priority documents		n No	
Copies of the certified copies of the prior	ity documents have been received		cation from the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING Donoted below. Failure to timely comply will result in ABANE THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	ATE" of this communication to file a DONMENT of this application.	a reply complying with the	requirements
5. A SUBSTITUTE OATH OR DECLARATION must be INFORMAL PATENT APPLICATION (PTO-152) whic	submitted. Note the attached EXAI h gives reason(s) why the oath or o	MINER'S AMENDMENT or declaration is deficient.	NOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) I including changes required by the Notice of Draft		(PTO-948) attached	
1) hereto or 2) to Paper No./Mail Date _			
(b) including changes required by the attached Example Paper No./Mail Date	iner's Amendment / Comment or i	n the Office action of	
Identifying indicia such as the application number (see 37 Ceach sheet. Replacement sheet(s) should be labeled as suc	CFR 1.84(c)) should be written on the h in the header according to 37 CFR	drawings in the front (not to 1.121(d).	he back) of
 DEPOSIT OF and/or INFORMATION about the cattached Examiner's comment regarding REQUIREMI 	DEPOSIT OF BIOLOGICAL MATER ENT FOR THE DEPOSIT OF BIOL	RIAL must be submitted. .OGICAL MATERIAL.	. Note the
Attachment(s)			
1. Notice of References Cited (PTO-892)		rmal Patent Application (P	TO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-9	48) 6. ☐ Interview Sun	· ·	·
3. Information Disclosure Statements (PTO-1449 or PTO/	SB/08), 7. 🗌 Examiner's Ar	mendment/Comment	

David B. Thomas Patent Examiner Art Unit: 3723

8.

Examiner's Statement of Reasons for Allowance

9. ☑ Other Rule 312 response.

of Biological Material

Paper No./Mail Date 4/15/04

4.

Examiner's Comment Regarding Requirement for Deposit

	Application No.	Applicant(s)	
	10/033,732	CHEN ET AL.	
Response to Rule 312 Communication	Examiner	Art Unit	
	David B. Thomas	3723	
The MAILING DATE of this communication :	appears on the cover sheet w	vith the correspondence address –	
The amendment filed on <u>09 September 2004</u> under 37	CFR 1.312 has been consider	ed, and has been:	
a) 🛛 entered.			
b) entered as directed to matters of form not affecting	g the scope of the invention.		
c) disapproved because the amendment was filed as	fter the payment of the issue for	ee.	
Any amendment filed after the date the issue for		•)(1)
and the required fee to withdraw the applicatio	n from issue.		
d) disapproved. See explanation below.			
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e) entered in part. See explanation below.			
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David B. Thomas Patent Examiner Art Unit: 3723

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Substitute for form 1449A/PTO

PTO/SB/08a (08-03)

Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application Number

10FMACK SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

DECEMBER 27, 2001 Filing Date First Named Inventor CHEN, ET AL. Group Art Unit 3723 **Examiner Name** DAVID B. THOMAS

10/033,732

(Use as many sheets as necessary)

Attorney Docket Number AMAT/4100.Y2/CMP/CMP/RKK

Sheet 1 of 1 Submission Date April 12, 2004

U.S. PATENT DOCUMENTS								
	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where			
Initials*	No.1	Number-Kind Code ^{2 (4 known)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear			
DET	A1	US-6,368,184 B1	04/09/2002	Beckage				
	A2	US-2002/119286 A1	08/29/2002	Chen, et al.				
137	A3	US-2001/0005667 A1	06/28/2001	Tolles, et al.				
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		FOREIGN	PATENT DO	OCUMENTS .		
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inuuais*	Initials' No.'	Country Code ³ -Number ⁴ -Kind Code ³ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages of Relevant Figures Appear	
137	B1	EP 1 368 826 A1 .	12/10/2003	Applied Materials, Inc.		
71.7 ((Enclosed WO Patent 02/075804 A2 & A3)					
		NON PATER	NT LITERATURE	E DOCUMENTS	•	
Examiner Cite Include name of the author (in CAP item (book, magazine, journal, something item (book, magazine, journal, something), purpler(s), purpl			, serial, symposi		age(s), volume-issue	T²
DST C1 European Search Report for 03252801.0, dated January 16, 2004 (AMAT/7047.EP).						

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Examiner		Da	te Cor	sidered	10/26/0	<i>A</i>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional), a See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. a Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document, skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible, a Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2



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UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450

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APPLIED MATERIALS, INC. 2881 SCOTT BLVD. M/S 2061 SANTA CLARA, CA 95050

EXAMINER THOMAS, DAVID B

PAPER NUMBER

ART UNIT 3723

DATE MAILED: 08/05/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/033,732	12/27/2001	Liang-Yuh Chen A	MAT/4100.P1/CMP/CMP/RK	K 7456

TITLE OF INVENTION: CONDUCTIVE POLISHING ARTICLE FOR ELECTROCHEMICAL MECHANICAL POLISHING

APPLN. TYPE	SMALL ENTITY	ENTITY ISSUE FEE PUBLICATION FEE		·TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$70	\$0	\$70	11/07/2005	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Page I of 3

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	Application No.	Applicant(s)						
	10/033,732	CHEN ET AL	į					
Notice of Allowability	Examiner	Art Unit						
	David B. Thomas	3723						
David D. Hiolias 0/20								
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.								
1. A This communication is responsive to the RCE filed May 19	, 2005.							
2. The allowed claim(s) is/are 29,31-40,42,44,45 and 47-99.								
3. A The drawings filed on 27 December 2001 and 25 August 2	003 are accepted by the Examiner.							
 4. Acknowledgment is made of a claim for foreign priority un a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 	, ,							
2. Certified copies of the priority documents have	been received in Application No.	·	İ					
3. Copies of the certified copies of the priority doc	xuments have been received in this r	national stage applicat	ion from the					
International Bureau (PCT Rule 17.2(a)).								
* Certified copies not received:								
Applicant has THREE MONTHS FROM THE "MAILING DATE" on the other than the other comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the req	uirements					
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6. CORRECTED DRAWINGS (as "replacement sheets") must	be submitted.							
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1) hereto or 2) to Paper No./Mail Date	• .	,						
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	Amendment / Comment or in the Of	fice action of						
Identifying Indicia such as the application number (see 37 CFR 1.1 each sheet. Replacement sheet(s) should be labeled as such in the			back) of					
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 	it of BIOLOGICAL MATERIAL m FOR THE DEPOSIT OF BIOLOGICA	ust be submitted. N L MATERIAL.	ote the					
Attachment(s)	_							
1. ☑ Notice of References Cited (PTO-892)	5. Notice of Informal Pa		-152)					
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary (I Paper No./Mail Date							
 B. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date <u>herewith</u> 								
Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Statemen	it of Reasons for Allov	vance					
of Biological Material	9. Other	11						
		David B. Thomas Primary Examiner Art Unit: 3723						

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Substitut	o for form 1449A/PTO		•	Application Number	10/033,732
			•	Filing Date	December 27, 2001 .
SUP	PLEMENTAL INFO		ATION	First Named Inventor	Chen, et al.
	DISCLOSUR			Group Art Unit	3723
51.	ATEMENT BY APP	'LIC	ANI	Examiner Name	David B. Thomas
	(Use as many sheets as necessary)		Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK	
Sheet	1	ø	9	Submission Date	May 19, 2005

U.S. PATENT DOCUMENTS							
Examiner Cita		Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where		
Linuals.	NG.	Number-Kind Code ^{2 (5 breen)}	MIM-DQ-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear		
037	A1	US-1,601,642	09/28/1928	Parker	\		
	A2	US-1,927,162	09/19/1933	Ficcilor, et al.			
	AS	US-2,112,691	03/29/1938	Crowder			
	A	US-2,240,265	04/29/1941	Nachtman ·			
	A5	US-2,392,687	01/08/1946	Nachtman	FAX\RECEIVED		
	A6	US-2,431,065	11/16/1947	Miller	NAV 7 0 2005		
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	AB	US-2,459,481	11/09/1948	Wilson	OFFICE OF PETITIONS		
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	A14	US-2,473,280	06/14/1949	Millard			
	A15	US-2,477,808	08/02/1949	Jones			
	A1B	US-2,479,323	08/18/1949	Davis			
	A17	US-2,460,022	08/23/1949	Hogaboom			
137	A18	US-2,490,085	12/06/1949	Hpll			

FOREIGN PATENT DOCUMENTS								
Examiner (a) (a)	Ctto	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines.	T ^q		
Indials	No.1	Courtry Code [®] Hamber [®] -Kind Code [®] (It torown)			Where Relevant Passages or Relevant Figures Appear			
137	81	EP 1 381 023	11/12/2003	Applied Materials				
	B2	JP 68-171264 (English abstract)	10/7/1983	Nitto Electric		X		
	BS	JP 81-079668 (English abstract)	4/23/1988	Fujteu		X		
	B4	JP 61-265279 (English abstract)	11/25/1988	Tahoku Metal Ind. Ltd.		X		
1957	BS.	JP 83-028512 (English abstract)	2/6/1988	Hilachi Ltd.	-/	X		
Examiner		BAL	-	Data Considered	2/1/00	<u> </u>		

EXAMPLER: Initial 8 inference considered, whether or not citation is in conformance with MPEP 600. Draw the through citation 8 not in conformance and not considered, bricked copy of this form with need communication to expectant. • Applicants unique citation designation number (aptional), a See Kinds Codes of USPTO Patent Documents of www.uspio.gov or MPEP 601.04, a Enter Office that issued the document, by the swo-toner code (MPO Standard ST.3), a For Japanese patent documents, the indication of the year of the Emparer must procede the sarial number of the patent document, didn'd of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible, a Applicant is to place a check must here if English tanguage Transistion is accorded.

This exteriors of information is required by 27 CFR 1.97 and 1.88. The information is required to detail to the public which is to file (and by the USPTO to process) an application. Combinately is governed by 33 U.S.C. 122 and 37 CFR 1.14. This extension is estimated to take 2 hours to compital, including pathering, properties, and submitting the compital application form to the USPTO. Time will vary departing upon the individual case. Any comments on the amount of time you exquire the security this burder, should be sent to the Chief Internation Officer, U.S. Patient and Trademark Office. P.O. Box 1450, Abstanctica, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissionary for Patients, P.O. Box 1450, Abstanctic, VA 22313-1450. U you need assistance in completing the form, cell 1-600-PTO-9199 (1-600-786-9199) and select option 2.

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PTO/SB/98a (08-03)

Approved for use through 07/21/2008, CIMB 0851-0031

U.S. Pason and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Peperwork Requestion ACLIS 1979, no persons are required as insport in a confection of industrial process is deplayed a valid DMB control number.

Subalitute	Substitute for form 1449A/PTO		Application Number	10/033,732	
		Filing Date	December 27, 2001		
SUPPLEMENTAL INFORMATION				First Named Inventor	Chan, et al.
	DISCLOSURE	_		Group Art Unit	3723
SIA	ATEMENT BY APP	ישני	ant	Examiner Name	David B. Thomas
(Use as many cheets as necessary)		Attorney Docket Number	AMAT/4100.Y4/CMP/CMP/RK		
Sheet	2	d	9	Submission Date	May 19, 2005

			U.S. PATENT	DOCUMENTS			
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pagas, Columns, Lines, Whiere Relevant Passages or Relevant Figures Appear		
Initiats*	No.1	Number-Kind Code ^{8 of treat}	Number-Kind Code ⁸ Wheet MM-DD-YYYY App	· Applicant of Cited Document			
1257	A19	US-2,495,685	01/31/1950	Carnin, et al.			
7	A20	U\$-2,500,205	03/14/1950	Şchesier .			
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	A22	US-2,503,863	04/11/1950	9ert			
	A23	US-2,508,794	05/09/1950	Kennedy, et al.	FAX RECEIVED		
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	A25	US-2,512,328	06/20/1850	Haye	MAY 1 9 2005		
	A28	US-2,517,907	08/08/1950	Milayles	05545		
	A27	US-2,519,945	08/22/1850	Twele, et al.	OFFICE OF PETITIONS		
	A28	US-2,530,877	11/21/1950	Berkenkelter, et al.	· \		
	A29	US-2,535,968	12/28/1950	Teplitz	\ '		
	A30	U\$-2,596,812	01/02/1951	Coberli			
	A31	US-2,539,898	01/30/1951	Davis			
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	A33	US-2,544,510	03/06/1951	Projet			
	A34	US-2,649,678	04/17/1951	Flandi			
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OST	A35	US-2,556,017	06/05/1951	Veneda	.\		

		FORE	IGN PATENT	DOCUMENTS		
Examiner		Foreign Patent Occument	Publication Date	Name of Palenies or	Pages, Columns, Lines,	T
illais' No.'	Country Code ¹ -Humber ¹ -Hand Code ² (# known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear		
1757	86	JP 05-277957 (English abstract)	10/26/1993	Nippon Micro Koolsingu IOC		x
T	67	JP 10-008213 (English abstract)	1/13/1998 -	Tokyo Selmitsu Co Lld		x
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7	BB	JP 11-239961 (English abstract)	7/9/1989	NEC Corp		×
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Linear the Programmic Reduction Act of 1985, no persons are required in research to a collection of information unless it displays a valid CMB control rundor. 10/033,732 Substitute for form 1449A/PTO **Application Number** December 27, 2001 Filing Date SUPPLEMENTAL INFORMATION First Named Inventor Chen, et al. DISCLOSURE 3723 Group Art Unit STATEMENT BY APPLICANT David B. Thomas Examiner Name **Altomey Docket Number** AMAT/4100.Y4/CMP/CMP/RK (Use as many sheets as necessary) 9 Submission Date May 19, 2005 Sheet

			U.S. PATENT	DOCUMENTS			
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
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B	7	811	JP 2001-179811 (English abstract)	7/3/2001	NEC Corp		X
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		B14	WO 93/15879	8/18/1993	3M Co.		
183	77	B15	WO 00/59682	10/12/2000	Nu Tool, Inc.		
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SUPPLEMENTAL INFORMATION			First Named Inventor	Chen, et &l.
	DISCLOSURE		Group Art Unit	3723
STATE	MENT BY APPLIC	CANT	Examiner Name	David 8. Thomas
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.]	A61	US-2,706,175	04	12/1955	Lie	harz		N DEED	תב מב מבדה	2011
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187	A72	US-4,082,638	04/	04/1978	Jus	ner			- 1	
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137	816	WO 01/88229		11/22/2001		ACM Research		$\overline{}$		
277	B17	WO 03/001581		1/3/2003		Micron Technology				
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			U.S. PATENT	DOCUMENTS	
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_ 1_	A74	US-4,312.716	01/26/1982	Maschier, et al.	(
	A75	US-4.523,411	06/18/1985	Freerica	
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Linder the Perpayment Reduction Act of 1995, no persons use required to respond to a conference in before a reference a valid CMB control number. 10/033,732 **Application Number** Substitute for term 1449A/PTO December 27, 2001 Filing Date SUPPLEMENTAL INFORMATION First Named Inventor Chan, et al. DISCLOSURE . Group Art Unit 3723 STATEMENT BY APPLICANT Examiner Name David B. Thomas **Attorney Docket Number** AMAT/4100.Y4/CMP/CMP/RK (Use as many sheets as necessary) of 9

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1201	A128	US-2003/0040188	02/27/2003	Hsu, et al.		

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Under the Passer-ord Reduction Act of 1895, no persons are required to respond by a collection of information under a valid CMB control number. 10/033,732 Application Number Substitute for form 1449APTO December 27, 2001 Filing Date SUPPLEMENTAL INFORMATION First Named Inventor Chen, et al. DISCLOSURE 3723 Group Art Unit STATEMENT BY APPLICANT **Examiner Name** David B. Thomas AMAT/4100.Y4/CMP/CMP/RK **Attorney Docket Number** (Use as many sheets as necessary) Sheet Submission Date May 19, 2005

			U.S. PATENT	DOCUMENTS	
Examiner	Cits No.	Document Number	Publication Date	Name of Palardee or	Pages, Columns, Lines, Where
Iriiliata*	No.	Number-Kind Code ^{8 (8 topus)}	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
124	A127	U\$-2003/0114087	06/19/2003	Duboust, et al.	
71	A128	US-2003/0116445	06/26/2003	Sun, et al.	
7	A128	US-2003/0118448	06/26/2003	Duboust, of al.	
7 4	A130	US-2003/0213703	11/20/2003	Wang, et al.	
1000	A131	US-2003/0220053	11/27/2003	Manens, et al	
	A132	us			FAX-RECEIVE
	A133	US:			TAXTILOLIVE
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	A144	us.		•	

		FORE	IGN PATENT I	DOCUMENTS		
Examiner Initials	Cto	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	7°
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	836					
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EXAMPLER: Initial O additional consistent, whether or not citation is in conformance with MPEP 609. Draw fine through citation 8 not in conformance and not consistency, include EXAMPLE SIND IN EXECUTION OF INTERIOR CONTROLLS OF THE CONTROLLS WITH STATE OF THE PROOF CALLED FROM THE PROOF CALLED FROM THE CONTROLLS OF THE COOK OF USFTO PAINT DOCUMENTS OF THE DOCUMENTS OF THE COOK OF USFTO PAINT DOCUMENTS OF THE WAY WAS A CONTROLLS OF THE COOK OF USFTO PAINT DOCUMENTS OF THE WAY WAS A CONTROLLD OF THE COOK OF USFTO OF THE COOK OF USFTO OF THE COOK OF USFTO THE COOK OF THE COOK

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7	10/033,732	Application Number	Substitute for form 14498/PTO			
EIVE	December 27, 200 TAX RECE	Filing Date				
\mathbf{I}	Chen, et al.	First Named Inventor	SUPPLEMENTAL INFORMATION			
2005	3723 MAY 1 9 2	Group Art Unit	_ 1 (DISCLO	,
T_{m}	David B. Thomas	Examiner Name	WT	APPLICA	ATEMENT BY	STA
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ノ	May 19, 2005	Submission Date	9	. q	9	Sheet

Examiner Cite Initials No.1	. Inginipar(a), publisher, city shover country where published				
Pm C1	PCT Written Opinion dated April 1, 2003 for PCT/US02/11009. (4100 EP 02)				
C2 .	Notification of Transmittal of International Preliminary Examination Report dated November 10, 2003 (4100 EP 02)				
C3	European Search Report for 03252801.0, dated January 16, 2004 (7047 EP).				
C4	Communication pursuant to Article 95(2) EPC for Application No. 02728965.4, dated June 11, 2004 (4100 EP 02)				
C5	Copy of Search Report Issued by the Austrian Patent Office for corresponding Singapore Patent Application No. 200302562-4, provided by letter dated October 7, 2004.	·			
Ç8	Invitation to pay additional fees dated November 11, 2004 (4100 P5 PCT)				
C7	Notification of Transmittal of International Search Report and Written Opinion dated February 21, 2005 (4100 PCT)				
C8	Notification of transmittal of the International Search report and Written Opinion dated March 14, 2005 (4100 P5 PCT)				
C9	PCT International Search Report and Written Opinion dated April 28, 2005 for PCT/US04/037870. (AMAT/4100PC09)				
C10	Alexander, Jr., "Electrically Conductive Polymer Nanocomposite Materials", http://www.afrihorizons.com/Briefs/Sept02/ML0206.html, Date Unknown				
D37 C11	Contolini, "Electrochemical Planarization of ULSI Copper," Solid State Technology, Vol. 40, No. 6, June 1, 1997				
Examiner C	Date Considered 8/1/55				

"EXAMINER: Initial of reterence considered, whether or not cluston is in conformance with MPEP 609. Draw the strongh citation 6 not in conformance and not considered, include copy of this form with next communication to applicant. I Applicant's writing cluster designation number (optional). 2 Applicant is to place a check much have if English language Translation is allested.

This collection of Internation is required by 37 CFR 1,89, The extension is sequent to obtain or retain a benefit by the public which is to the (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and automiting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the previous of this you require to complete this form and/or suggestions for reducing this burden, affordable to send to the Chief information Officer, U.S. Pation and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, DO NOT SEND FEES OR COUPLETED FORMS TO THUS ADDRESS, SEND TO: Commissioners for Petresia, P.O. Box 1450, Alexandria, VA 22313-1450, If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9189) and select option 2.

PTO/S8/08a (08-03)

Approved for use through 07/31/2008, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449APTO Complete if Known SUPPLEMENTAL INFORMATI Application Number 10/033,732 Filing Date **DECEMBER 27, 2001** DISCLOSURE CHEN, ET AL First Named Inventor STATEMENT BY ARPLICAN Art Unit 3723 (Use as many sheets as necessary) DAVID B. THOMAS Examiner Name Sheet 1 of 1 AMAT/4100.Y4/PPC/CMP/RKK Attorney Docket Number

			U.S. PATENT	DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentse or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Irabiata ·	No."	Number - Kind Code ² (# known)	MOH-DO-YYYY	Caso Localitera	Passages or Relevant Figures Appear
זנוג	A1 .	US- 6,641,471	11/04/2003	PINHEIRO, ET AL	
	A2	US-6,322,422	11/27/2002	SATOU	
	A3	US- 6,296,557	10/02/2001	WALKER	
V	M	US- 6,258,223	07/10/2001	CHEUNG, ET AL.	
7.	A5	US- 8,257,953	07/10/2001	GITIS, ET AL.	
7057	A8	US- 6,132,292	10/17/2000	KUBO	
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Examiner Initiats*		Foreign Patent Document			Pages, Columns, Lines,	Г
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037	B1	JP 06-047678 (English Abs.)	02/22/1994	Kawasaki Steel Corp.		X
$\neg \vdash$	B2	JP 11-216663	12/12/2000	Sony Corp.		
1737	83	WO 00/71297	-11/30/2000	Lam Research, Corp.		

8/1/05 Signature Considered

"EXAMINER: tritial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with rend communication to applicant. \(^1\) Applicant's unique citation designation number (optional). \(^2\) See Kinds Codes of USPTO Patent Documents at www.usato.gov or MPEP 801.04. \(^2\) Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \(^2\) For Japanesse patent documents, the indication of the year of the reign of the Emperor must proceed the serial number of the patent document. \(^3\) Kind of document by the supported symbols as indicated on the document under WIPO Standard ST. 16 if possible. \(^3\) Applicant is to place a check mark here if English language.

This collection of information is required by 37 CFR 1.97 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentially is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Three wild vary depending upon the information case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. OO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PTO/S8/08a (08-03) Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO

Sheet 1

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

of 1

(Use as many sheets as necessary)

	Complete if Known						
Application Number	10/033,732						
Filing Date	DECEMBER 27, 2001						
First Named Inventor	CHEN, ET AL.						
Arl Unit	3723						
Exeminer Name	DAVID B. THOMAS						
Attorney Docket Number	AMAT/4100.Y2/CMP/CMP/RKK						

			U.S. PATENT	DOCUMENTS	
Exeminer	Cite	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Irdikata .	No.'	Number - Kind Code ² (7 Imawa)	NOT-DO-JAAA	Cited Document	Passages of Refevent Figures Appear
057	A1	US-5,674,122	10/07/1997	Krech	
	A2	US-6,372,001	04/16/2002	Ornar, et al.	
	A3	US-6,379,223	04/30/2002	Sun, et al.	
	A	US-6,413,388	07/02/2002	Uzoh, et al.	
037	A5	US-2003/0013397	01/16/2003	Rhoades	
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		FOREIGN PA	TENT DOCU	IMENTS		
Examiner	Cite	Foreign Patent Document	2.1.4	Name of Palentes or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
Initials*	No.1	Country Code ³ - Number ⁶ - Kind Code ⁶ (# known)	Publication Date MM-DD-YYYY			T ^d
1037	B1	JP 2002-334858 (English abstract)	11/22/2002	Uchiyama, et al.		X
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"EXAMPLE: Infill if reference considered, whether or not claifon is in conformance with MPEP 609. Draw line through classin if not in conformance and and considered, including on MPEP 801.04." Enter Office that issued the document, by the two-felter code (MPPO Standard ST.3). For Japanese patient documents, the indication of the year of the reign of the Emperor must pracede the sental number of the patient document. "Kind of document by the appropriate symbols as indicated on the document whro Standard ST. 18 if possible." Applicant is to piece a check must here if English language Translation to situated.

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Notice of References Cited

Application/Control No.

10/033,732

Examiner

David B. Thomas

A. __ant(s)/Patent Under
Reexamination
CHEN ET AL

Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	Α	US-6,736,952 B2	05-2004	Emesh et al.	205/81
	В	US-6,572,755 B2	06-2003	Ernesh et al.	205/137
	С	US-			
	D	US-			
	Е	US-			
	F	US-			
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

U.S. Patertl and Trademark Office PTO-892 (Rev. 01-2001)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of: Chen, et al.

Serial No.: 10/033,732

Confirmation No.: 7456

Filed: December 27, 2001

For: Conductive Polishing Article for

Electrochemical Mechanical Polishing

Commissioner for Patents P.O. Box 1450 Alexandria, VA. 22313-1450

Dear Sir:

Group Art Unit: 3723

Examiner: David B. Thomas

COPY

CERTIFICATE OF MAILING 37 CFR 1.8

I hereby certify that this correspondence is being deposited on May 12, 2003, with the United States Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents, P.O. Box 1450, Alexandria VA, 22313-1450.

05/12/2003

Date

Signature

PROPOSED AMENDMENT TO THE DRAWINGS

Applicant proposes amendment of the drawings as described below and request permission to provide substitute drawings incorporating the amendments for reasons discussed below.

IN THE DRAWINGS

Applicants propose amendment of the drawings to correct errors noted subsequent to filing the application. Applicants have submitted the proposed corrections marked in red on the attached copy of the respective original drawings filed in the application. The proposed corrections conform the drawings to the written description of the invention without adding new matter. The area to be amended is

Atty. Dkt. No.: AMAT/4100.P1/CMP/CMP/RKK

defined by the dashed red line box and the amended aspects of the drawings are shown in greater detail in the accompanying enlarged drawing of Figure 2 to indicate the proposed changes.

Please amend and admit Figure 2 as shown in the attached sketches.

REMARKS

Figure 2 indicates proposed amendments to remove erroneously included matter contacting a substrate 114 surface to be polishing on a polishing article 205. Support for the change can be found in the specification, for example, at paragraphs [0055] and [0056], and references to Fig. 2.

Applicants respectfully submit that the proposed amendments do not introduce new matter or remove helpful description of the invention. Approval of the amendments is respectfully requested.

Respectfully submitted,

Brian K. Hrna

Registration No. 41,852

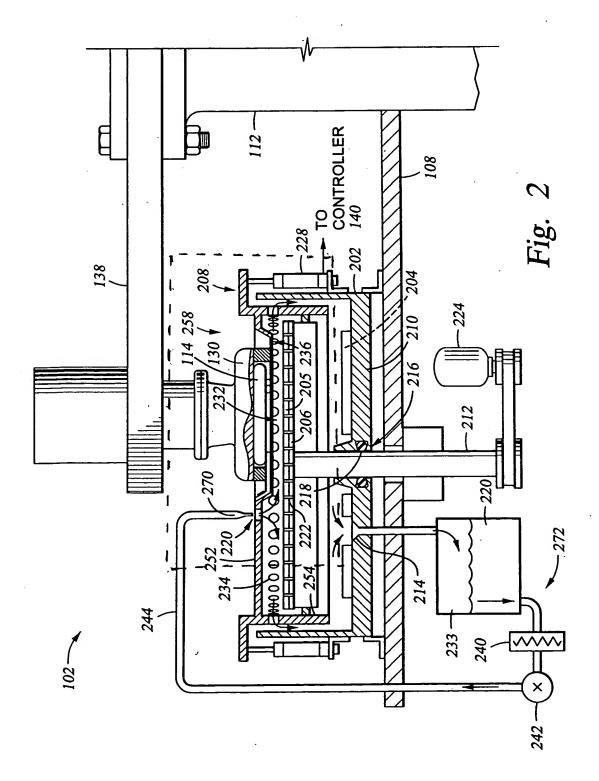
MOSER, PATTERSON, & SHERIDAN L.L.P.

3040 Post Oak Blvd., Suite 1500

Houston, TX 77056

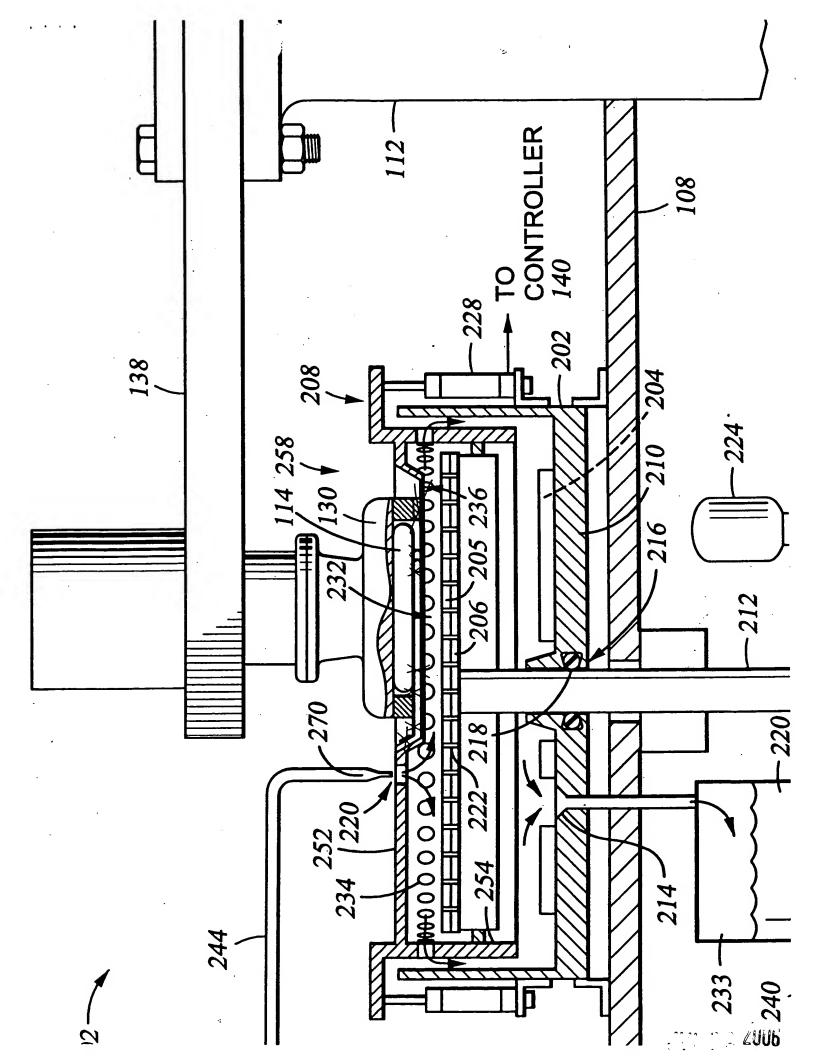
Telephone: (713) 623-4844 Facsimile: (713) 623-4846 Attorney for Applicant(s)

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Thu 3 ~ 2006



DOCKET NO.: AMAT HOO. PI COMP COMP NECE SERIAL NO.: 10/832,732 FILED: Seconder 27, 2001 APPLICANT: Applied MAKENALS FINC. INVENTOR: Chan, of all.	The Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed AFFIDAVIT TO POSES ANEXD MENT TO DAMINGS AMENDMENT FOR PASES ANEXD MENT TO DAMINGS IND. OF SEES	A SSIGNMENT-RECORDAL FEE \$ A SSIGNMENT-RECORDAL FEE \$ BRIEF DECLARATION I SSUE FEE - BASE/BALANCE X LETTER - CHARGE DEPOSIT ACCOUNT	TRADEMARK/SERVICEMARK APPLICATION PETITION / W MONTH, EX FENSION of June PRELIMINARY AMENDMENT INFORMATION DISCLOSURE STATEMENT (Supplement) REQUEST FOR EXTENSION OF TIME RESPONSE TO BAPILE ACTION OF ALL PAINTY SMALL FINITY	EXPRESSIMIL# IN THE AMOUNT OF \$		
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United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS Alexandria, Virginia 22313-1450

NOTICE OF ALLOWANCE AND FEE(S) DUE

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APPLIED MATERIALS, INC. 2881 SCOTT BLVD. M/S 2061 SANTA CLARA, CA 95050

CONTRACTOR ENTERED

EXAMINER

THOMAS, DAVID B

ART UNIT

CLASS-SUBCLASS

3723

451-526000

JUL 2 1 2003

DATE MAILED: 07/15/2003

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l	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/033,732	12/27/2001	Liang-Yuh Chen	AMAT/4100.P1/CMP/CMP/RH	KK 7456

TITLE OF INVENTION: CONDUCTIVE POLISHING ARTICLE FOR ELECTROCHEMICAL MECHANICAL POLISHING

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$300	\$1600	10/15/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status show

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

Applicant claims SMALL ENTITY status.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

•	Application No.	Applicant(s)			
Notice of Allowability	10/033,732	CHEN ET AL.			
nouse of Anonasmy	Examiner	Art Unit			
	David B. Thomas	3723			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this agong or other appropriate communication GHTS. This application is subject and MPEP 1308.	oplication. If not included n will be mailed in due course. THIS			
1. This communication is responsive to <u>amendment B filed 14</u>	1 May 2003 .				
 The allowed claim(s) is/are <u>29,31-40 and 42-99</u>. The drawings filed on are accepted by the Examine 	_				
 4. Acknowledgment is made of a claim for foreign priority und 					
a) All b) Some* c) None of the:	er 33 0.3.0. g 119(a)-(u) or (i).				
1. ☐ Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have	been received in Application No	·			
 Copies of the certified copies of the priority doc International Bureau (PCT Rule 17.2(a)). 	uments have been received in this	national stage application from the			
* Certified copies not received:					
5. Acknowledgment is made of a claim for domestic priority un		ional application).			
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o. My Action adjusted in a claim for domestic priority un	der 35 0.5.C. 99 120 and/or 121.				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE					
7. A SUBSTITUTE OATH OR DECLARATION must be submi NFORMAL PATENT APPLICATION (PTO-152) which gives reaso	tted. Note the attached EXAMINEF on(s) why the oath or declaration is	R'S AMENDMENT or NOTICE OF deficient.			
 CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Draftsperson 1) ☐ hereto or 2) ☐ to Paper No 	on's Patent Drawing Review(PTO	-948) attached			
(b) including changes required by the proposed drawing correction filed 14 May 2003, which has been approved by the Examiner					
(c) ☐ including changes required by the attached Examiner's	Amendment / Comment or in the 0	Office action of Paper No			
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.					
DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449), Paper No. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	12,15,17 4☐ Interview Summa 6☐ Examiner's Amer	il, III Examiner			

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Application of:

Chen, et al.

Serial No.: 10/033,732

Confirmation No.: 7456

Filed:

December 27, 2001

For: Conductive Polishing Article for

Electrochemical Mechanical

Polishing

MAIL STOP AF Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 ๛๛๛๛๛๛๛๛๛

Group Art Unit: 3723

Examiner:

David B. Thomas

COPY

CERTIFICATE OF MAILING 37 CFR 1.8

I hereby certify that this correspondence is being deposited on August 20, 2003 with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

August 20, 2003

Date

Signature .

RULE 312 AMENDMENT AFTER ALLOWANCE

Following mailing of a Notice of Allowance on July 15, 2003, Applicants request entry of the following amendments.

Amendments to the claims begin on page 2. Amendments to the drawings begin on page 3. Remarks begin on page 4.

The Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/AMAT/4100P1/KMT for any fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

IN THE CLAIMS:

Please amend claim 31 as follows:

31. (Amended) The polishing article of claim [[29]] <u>32</u>, wherein the biasing member is a spring, a foam polymer, plastic tubing, an elastomer, or combinations thereof, and urges a compliant contact surface of the conductive element to electrically contact the substrate disposed on the polishing surface.

IN THE DRAWINGS:

Please amend the drawings to replace Sheet 2/16 with the attached replacement Sheet 2/16. The notice of allowance shows that the Examiner has approved a correction to Sheet 2/16 and Applicant is now required to replace Sheet 2/16.

REMARKS

This amendment is filed to correct an error in the dependency of Claim 31 to provide sufficient antecedent basis.

Additionally, attached please find Replacement Sheet 2 of the formal drawings with a gummed label identifying the application for which it is submitted. The Examiner is requested to substitute this formal drawing in view of the proposed drawing corrections filed May 14, 2003, which has been approved by the Examiner.

Applicants believe that no fees are due in filing this response. Applicants believe that no new matter has been introduced in this response. Entry of the amendment is respectfully requested.

Respectfully submitted,

Keith M. Tackett

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REPLACEMENT SHEET AMAT/4100.P/CMP/CMP/RKK

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DECEMBER 27, 2001

APPLIED MATERIALS, INC.

CONDUCTIVE POLISHING ARTICLE FOR ELECTROCHEMICAL MECHANICAL

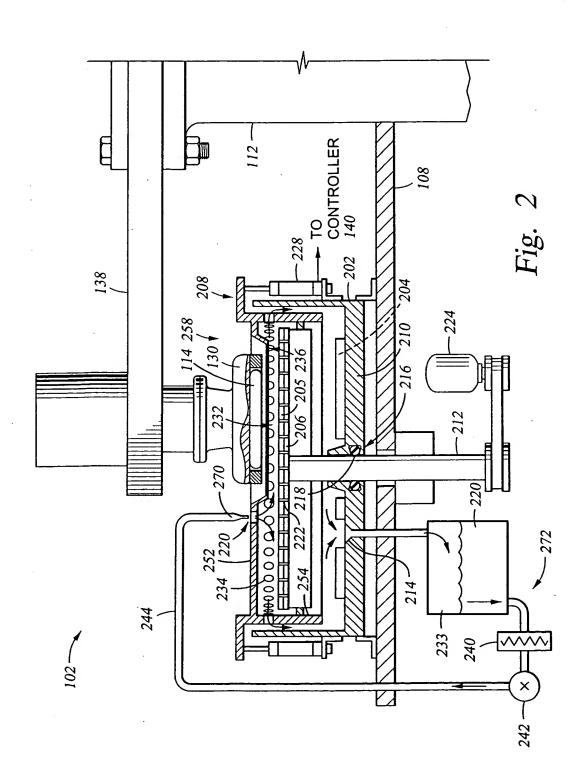
APPLICANT: TITLE: INVENTOR:

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POLISHING CHEN, ET AL.

SHEET 2 of 16

2/16



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PRELIMINARY AMENDMENT INFORMATION DISCLOSURE STATEMENT REQUEST FOR EXTENSION OF TIME RESPONSE TO SPECIMENS SMALL ENTITY IN THE AMOUNT OF \$ CHECK # IN THE AMOUNT OF \$ MAILLOG# 1473	BRIEF APPEAL NOTICE APPEAL NOTICE DECLARATION ISSUE FEE - BASE/BALANCE LETTER - CHARGE DEPOSITE COUNT LETTER TRADEMARK/SERVICEMARK APPLICATION PETITION	DOCKET NO.: ANAT 4100 P1 CMP CMP RXX SERIAL NO.: 10 033 732 FILED: December 27 3001 APPLICANT: Applied Materials Fine Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed Hugust BD, 3003 AFFIDANT AFTER ALLOWANCE (RUCE 3)3) ASSIGNMENT AFTER OATH/DECLARATION TOTAL CLS. IND. CLS. FEE \$ SHEET(S) OF DRAWING(S) FORMAL INFORMAL ASSIGNMENT BECORDAY FEE \$	s stamped which were